

DMSA C-720-04
Solid Waste Management Unit (SWMU) Assessment Report

SWMU/AOC NUMBER: 359

DATE OF ORIGINAL SAR: 12/01/00

DATE OF SAR REVISIONS: 03/15/09

REGULATORY STATUS: SWMU

LOCATION: East quadrant of the C-720 Maintenance and Stores Building between columns G18-19/H18-19.

APPROXIMATE DIMENSION OR CAPACITY: 112 ft²

FUNCTION: Temporary storage of materials.

BRIEF HISTORY: The area contains a horizontal milling machine, which was used to machine uranium debris from C-340, similar to the vertical turning blade located at DMSA C-720-03. It was probably used from the 1950s to the mid 1980s. This area was deleased by the United States Enrichment Corporation to the U.S. Department of Energy (DOE) as a DOE Material Storage Area (DMSA) on December 31, 1996.

From July 2007 to August 2007, DOE characterized materials in this DMSA in accordance with the DMSA Characterization/Remediation Plan, which was incorporated as Appendix E of the 2003 Agreed Order. The horizontal milling station was characterized and remains in-place in the DMSA. The *Final Inventory and Characterization Report (FI/CR)* was submitted October 19, 2007, to the Kentucky Division of Waste Management (KDWM). KDWM approved the FI/CR on November 30, 2007. Resource Conservation and Recovery Act closure was not required for this SWMU, since no hazardous wastes were discovered in this unit, per the 2003 Agreed Order.

PRESENT OPERATIONAL STATUS: Inactive

DATES OPERATED: 1950s to 1980s – Maintenance operations
1996 to 2007 – DOE material storage area

SITE/PROCESS DESCRIPTION: An inside DOE storage area located in the C-720 Building that contains a fixed horizontal milling station.

WASTE DESCRIPTION: The SWMU currently is empty. A detailed description of the fixed equipment can be found in the FI/CR.

WASTE QUANTITY: 0 ft³

SUMMARY OF ENVIRONMENTAL SAMPLING DATA: No sampling of environmental media has occurred.

DESCRIPTION OF RELEASE AND MEDIA AFFECTED: None Known

GROUNDWATER:	None known
SURFACE WATER:	None known
SOIL:	None known
ECOLOGY AFFECTED (i.e., threatened/endangered species):	None known

DOCUMENTATION OF NO RELEASE: No documents were identified indicating a spill or release at this unit.

IMPACT ON OR BY OTHER SWMU/AOC: There is no evidence that this SWMU impacts or is being impacted by other SWMUs.

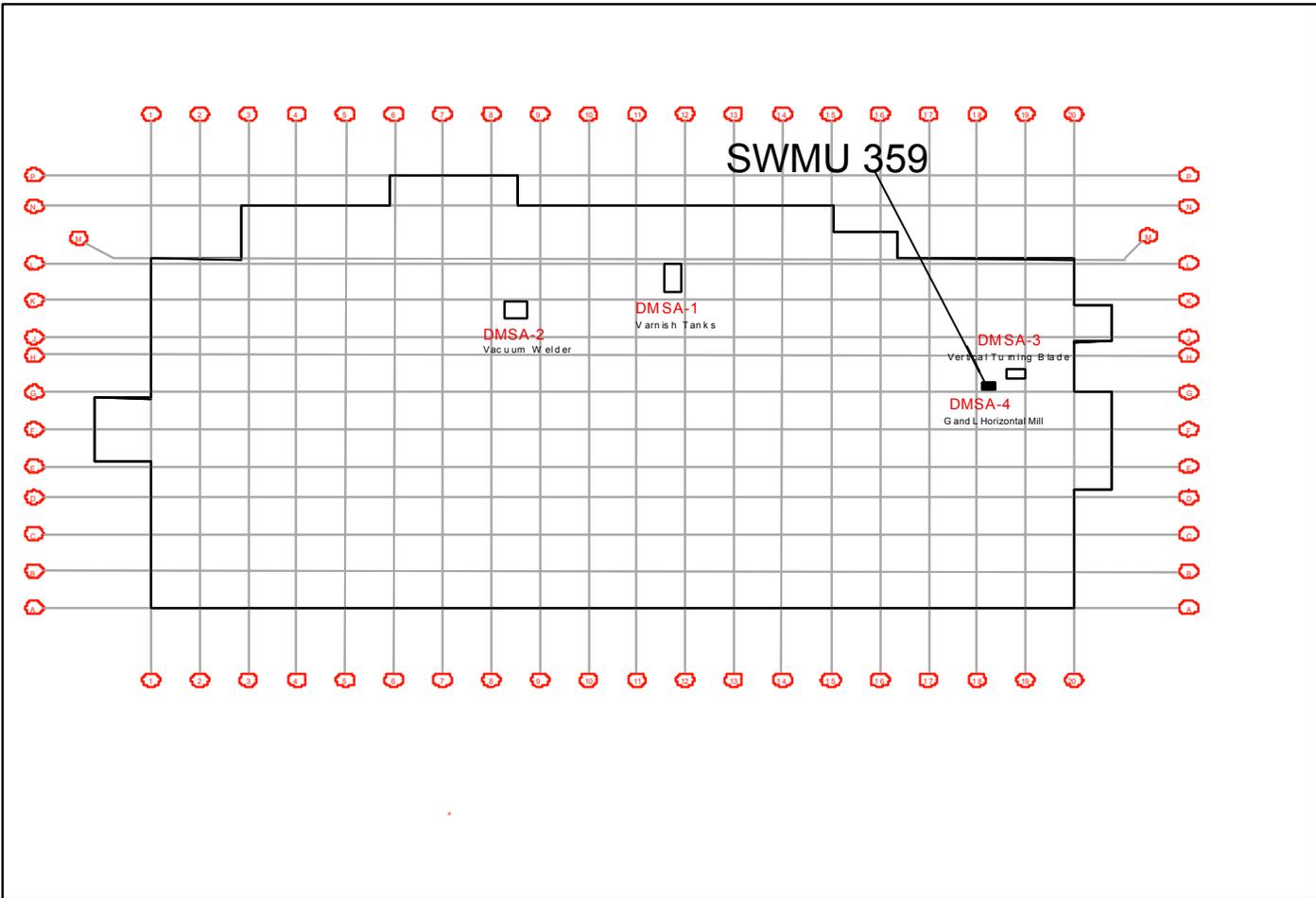
PRG COMPARISON: N/A

RFI NECESSARY: No. The SWMU is inside an operational process building with a concrete floor. This unit is being proposed for no further action since it no longer is active, has no evidence of a release to the environment, and is not believed to pose a risk to human health and the environment. The horizontal milling machine was characterized and remains in-place to be addressed as part of the decontamination and decommissioning of this building.

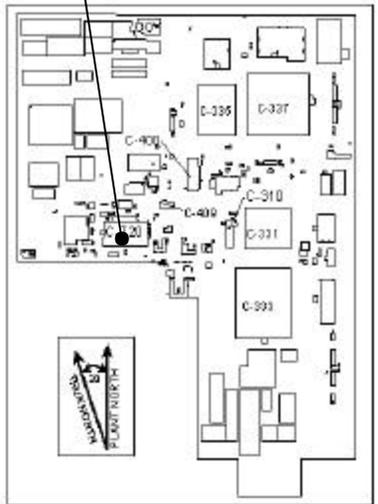
OPERABLE UNIT ASSIGNMENT: N/A



SMWU 359
DMSA C-720-04
August 16, 2007



SWMU 359



Paducah Gaseous Diffusion Plant

LEGEND

 OFFICIAL DOE DMSAs PER 12/31/96

AGREEMENT BETWEEN DOE AND USEC



C-720 Ground Floor - SWMU 359

U.S. DEPARTMENT OF ENERGY
DOE PORTSMOUTH/PADUCAH PROJECT OFFICE
PADUCAH GASEOUS DIFFUSION PLANT



PADUCAH
Remediation Services
A Portage Shaw Joint Venture Company

Figure No. C-720-04-3598
Date 11-21-00